

CLASS TITLE: MANAGING ENGINEER (DOT)

Class Code: 02961800
Pay Grade: 41A
EO Code: A

CLASS DEFINITION:

GENERAL STATEMENT OF DUTIES: To be responsible for the administration and operation of a major engineering design unit within the Department of Transportation engaged in the location, design, construction and reconstruction of state roads and bridges; to perform highly difficult and responsible work of a professional civil engineering nature in directing all engineering activities and to do related work as required.

SUPERVISION RECEIVED: Works under the administrative direction of the Chief Design Engineer with considerable latitude for the exercise of initiative and independent judgement; work is reviewed through conferences and submitted reports for compliance with departmental policies and objectives, laws, rules and regulations.

SUPERVISION EXERCISED: Plans, organizes, directs, coordinates and evaluates the work of a subordinate professional staff engaged in carrying out an engineering design program.

ILLUSTRATIVE EXAMPLES OF WORK PERFORMED:

To be responsible for the administration and operation of a major engineering design unit within the Department of Transportation engaged in the location, design, construction and reconstruction of state roads and bridges.

To perform highly difficult and responsible work of a professional civil engineering nature in directing all unit engineering activities.

To review and discuss work of a unit with assistants and subordinates.

To review, discuss, approve or reject designs and specifications or changes in designs and specifications.

To review and approve or reject materials and equipment requisitions and the work orders.

To inspect the work of the unit projects in the field.

To consult with the Chief Design Engineer on matters of policy, special projects and of matters affecting the state highway engineering program and, as required, to provide professional advice on such matters.

To evaluate present programs as to their effectiveness and efficiency in attaining their objectives and to prepare future plans and budget allocations based on this evaluation.

To coordinate program planning and development with other units and with private contractors.

To make recommendations on program planning and implementation, on budget requirements and on staffing needs.

As required to assist in personnel administration and the negotiation of labor contracts with the several bargaining units.

To maintain an effective public relations program which will provide an understanding of the unit's policy and of the functions and objectives of various programs.

To review existing laws, proposed legislation, rules and regulations and to make recommendations.

To do related work as required.

REQUIRED QUALIFICATIONS FOR APPOINTMENT:

KNOWLEDGES, SKILLS AND CAPACITIES: A thorough knowledge of the principles, practices, materials and methods of road and bridge design, construction and maintenance; a thorough knowledge of highway engineering problems and techniques peculiar to this state; a high degree of skill and administrative ability in organizing, directing and coordinating a highway engineering design program; the ability to inspect complex engineering work plans and a fundamental knowledge of engineering computations, analyses and presentations; the ability to evaluate the effectiveness of programs and to recommend changes to make them effective; the ability to establish and maintain cooperative relations with officials, subordinates and the public; and related capacities and abilities.

EDUCATION AND EXPERIENCE:

Education: Such as may have been gained through: graduation from a college of recognized standing with specialization in Civil Engineering; and

Experience: Such as may have been gained through: employment in a highly responsible supervisory civil engineering capacity in Highway and Bridge Design, Construction and Maintenance, traffic design, or materials engineering.

Or, any combination of education and experience that shall be substantially equivalent to the above education and experience.

SPECIAL REQUIREMENTS: At the time of appointment must possess a Certificate of Registration as a Professional Engineer issued by the Rhode Island State Board of Registration for Professional Engineers, and must maintain such certification as a condition of continued employment.

Class Revised: July 25, 1993

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